

Water-Data Report 2008

01398180 INDIA BROOK AT MOUNT FREEDOM, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°50'05", long 74°34'42" referenced to North American Datum of 1983, Randolph Township, Morris County, NJ, Hydrologic Unit 02030105, on right upstream wingwall of bridge on Carrell Road, 0.6 mi north of Mount Freedom, and 5.9 mi upstream from mouth.

DRAINAGE AREA.--0.25 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

REVISED RECORDS.--WDR-US-2008: 2004(M), 2005(M), 2006(M), 2007(M).

GAGE.--Crest-stage gage. Datum of gage is 875 ft above NAVD of 1988, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88 ft³/s (previously not determined), Aug 8, 2007, gage height, 6.14 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 65 ft³/s, Jun 14, gage height, 5.14 ft.

REVISIONS.--Peak discharge for the annual maximum for the 2004-2007 water years have been determined (previously not determined) as shown in the following table. These values supersede the undetermined peak discharge published in their respective annual water data reports.

Water Year	Date	Gage Height (ft)	Discharge (ft ³ /s)
2004	Sep 28, 2004	4.09	40
2005	Apr 2, 2005	4.01	38
2006	Oct 8, 2005	5.48	72
2007	Aug 8, 2007	6.14	88

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft ³ /s
Sep 6, 2008 at 1403 hrs	0.01
Sep 6, 2008 at 1546 hrs	3.95
Sep 6, 2008 at 1623 hrs	10.0
Sep 6, 2008 at 1647 hrs	19.5
Sep 6, 2008 at 1711 hrs	25.9